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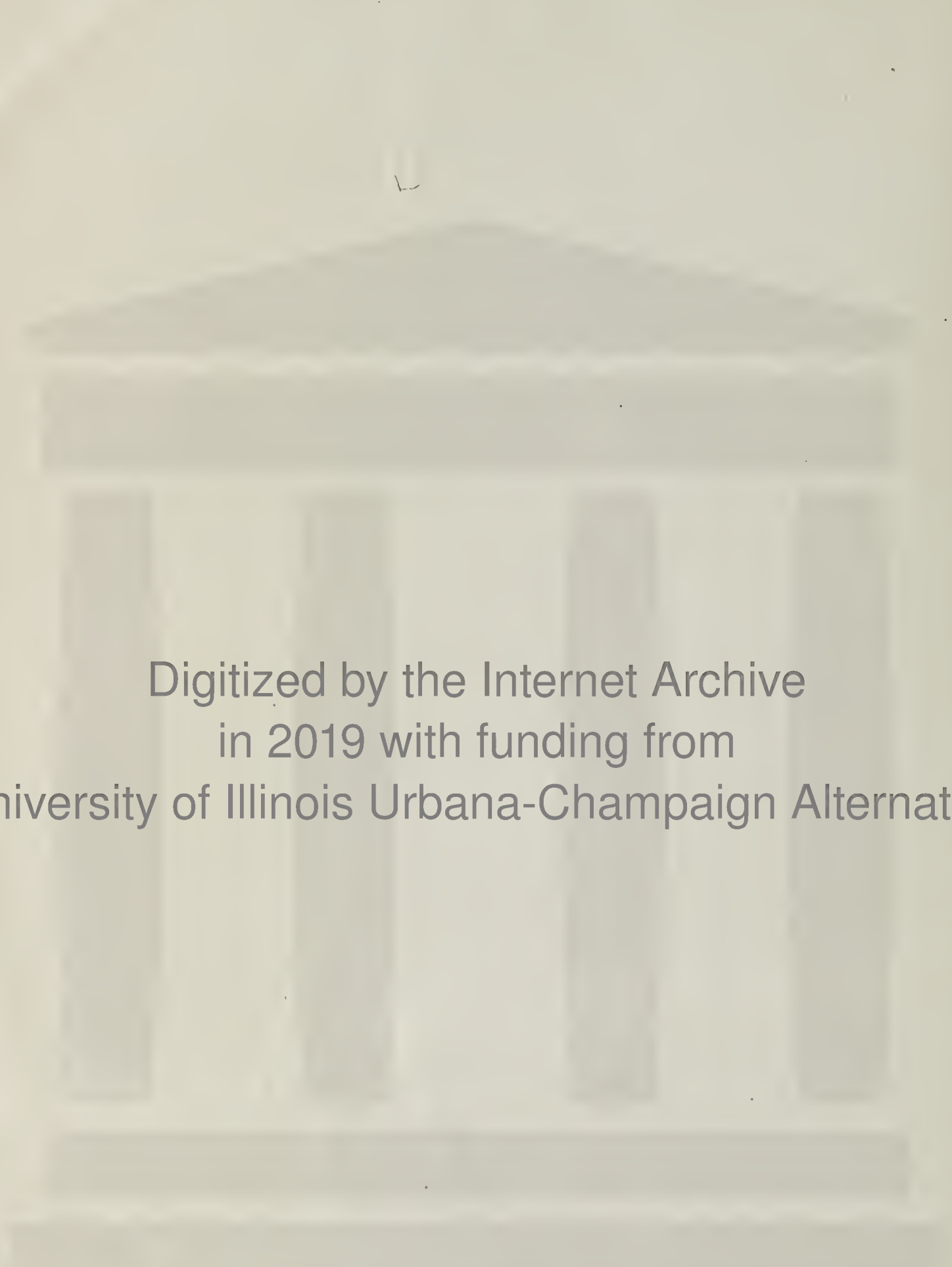
COMMITTEES ON EDUCATION AND CORPORATE STOCK BUDGET

Board of Estimate and Apportionment
City of New York

JOINT REPORT

Recommending Corporate Stock in the sum of \$5,900,239, for the purpose of altering old school buildings, acquiring new sites or additions to existing sites, and constructing new buildings or additions to old buildings in the more congested sections of the city, to the end that part-time and double session classes may be abolished, unsatisfactory and emergency classrooms and buildings abandoned, oversized classes reduced and expected growth in population provided for through the adoption of a duplicate school plan of organization.

Adopted May 19, 1916



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UNIVERSITY OF THE
CITY OF NEW YORK

City of New York, Board of Estimate and Apportionment, Committee on Education, Municipal Building, May 9, 1916.

To the Board of Estimate and Apportionment:

Gentlemen—On April 12 and 19, 1916, the Board of Education withdrew its request of December 29, 1914, as repeated on February 23, 1916, for corporate stock, to the amount of \$6,471,739 for school buildings and sites and substituted therefor, nine requests for funds aggregating \$4,796,212, to be provided by the issuance of corporate stock or otherwise for the purpose of altering old school buildings, acquiring new sites or additions to existing sites, and constructing new buildings or additions to old buildings in the more congested sections of the city, to the end that part-time and double session classes may be abolished, unsatisfactory and emergency class-rooms and buildings abandoned, over-sized classes reduced and expected growth in population provided for, through the adoption of a duplicate school plan of organization, without commitment to any particular plan of instruction or course of study. Related communications from the Children's Welfare Committee of Bronx County and from the Old South Brooklyn Civic League urging the necessity of relieving congestion in their respective districts are also considered herewith. In connection with the whole matter of providing school accommodations the Committees on Education and on Corporate Stock report jointly as follows:

Summary of Request and Recommendations.

The request for \$4,796,212 herein considered includes \$794,017 for additions to the Newtown High School in Elmhurst and the Bryant High School in Long Island City. The remaining \$4,002,195 is to provide funds to complete the Bronx reorganization in Districts 25 and 26, including a new building, and extend it to two schools (Nos. 30 and 43) in District 23 in the southern part of that borough; to reorganize the schools on the upper east side of Manhattan, between 97th and 113th Streets (Districts 16 and 17); to relieve congestion in the Williamsburg section (District 31), the Greenpoint section (District 34) and the Brownsville section (Districts 39 and 40), to replace old P. S. 29, located at Columbia and Amity Streets (District 28), and to construct a new building to relieve P. S. 135 in the Rugby section (District 38) of Brooklyn; and to provide additional accommodations for P. S. 6, which is located in the Steinway section of Long Island City.

It is recommended herein that \$5,900,239 be appropriated, which amount is \$1,104,027 in excess of the request as submitted. This excess of recommended appropriation over request is due to the fact that fifty-one unit buildings have been substituted for twenty-six room buildings to replace P. S. 29 and relieve P. S. 135, respectively, in the Borough of Brooklyn, and that an additional fifty-one unit building has been provided for Brownsville and East New York. Of the total appropriation recommended, \$794,017 is for additions to high schools. The remaining \$5,106,222 is for the reconstruction and extension of the existing elementary school plant.

An All-Embracing Plan to Abolish Part-Time.

This request for \$4,796,212, which has the unanimous approval of the Board of Superintendents, represents the first installment only of an all-embracing plan to provide a full day's schooling for every child throughout the entire city. With the exception of two items which pertain to high school additions in the Borough of Queens, it is based upon the assumption that part-time conditions in the elementary schools involved are to be eliminated through the reorganization of these schools on a duplicate school plan, i. e., a plan under which two duplicate school organizations occupy the same school building at the same time, one using the regular class-rooms while the other utilizes the auditorium, the gymnasium, the playground, the library, the laboratories and other so-called extra facilities. Corporate stock and tax levy aggregating \$807,260, in the sums of \$50,000 for P. S. 89, Brooklyn, and \$757,260 for twelve schools in Districts 25 and 26, The Bronx, respectively, was made available last year for reorganizing these schools on a duplicate school plan.

Since these appropriations of 1915, plus requests herewith presented, will affect schools which will accommodate 150,000 children, it is important to summarize the expected results. The following table covering the entire duplicate school proposition to date shows that:

1. By reorganizing present schools to eliminate part-time and double session classes at a cost of \$3,595,330.71, there are 26,482 children (69.7 per cent.) taken off part-time and 27,949 children (31.8 per cent.) taken off double sessions, and additional capacity provided for 531 classes or 21,771 children at a per capita cost of \$73.39, as against a cost of \$265.54 per capita under the traditional school plan. Besides 161 classes are removed from unsatisfactory class-rooms and buildings.

2. By constructing a new building to relieve Public School 135, Brooklyn, the new Bronx school and the new Brownsville school, additional capacity is provided for 216 classes to contain 8,856 pupils for future growth at a cost of \$1,911,874.50 and \$215.88 per capita, as against a per capita cost of \$304.88 under the traditional school plan.

Summary Statement Showing Existing Conditions, Increase in School Capacity Duplicate and Traditional School Plans; Also Amount of Part Time and Double Size Classes, for Growth and for High School Purposes.

District No.	Public School Nos.	Existing No. of Rooms.		No. of Classes 3/31/16, Exclusive of Kindergartens.	New Satisfactory Class Capacity, Exclusive of Kindergartens Under Duplicate School Plan.	Increase of New Class Capacity Over No. of Classes 3/31/16.	Increase of New Class Capacity Over Existing Regular Classrooms.
		Exclusive of Kindergartens Which Should Be Continued in Use.	Which Should Be Abandoned.				
<i>Past and Proposed Appropriations for</i>							
Borough of Manhattan—							
17 and 16	72, 83, 101, 121, 168, 171, 109	375	24	440	492	52	117
Borough of The Bronx—							
25 and 26	2, 4, 5, 6, 28, 32, 40, 42, 44, 45, 50, 53.....	490	49	825	854	29	364
25 and 26	New 54 and 55.....	92	..	..	144	144	52
23	30 and 43.....	109	..	135	156	21	47
Borough of Brooklyn—							
31 and 34	16, 19, 33, 122, 50, 143 (drop High School), 22, 23, 31, 51 (use as High School Annex), 110, 132, abandon 37, 166, 20, 59, 19 Annex	513	73	632	680	48	167
39 and 40	66, 109, 125, 150, 156, 165, 175, 64, 72, 149, 173, 174	603	7	754	914	160	311
38	89	26	....	41	48	7	22
28.....	6 and 142 to relieve 78, 32, 46, 27 and 30....	206	8	236	296	60	90
Borough of Queens—							
42	6	35	....	44	54	10	19
		2,449	161	3,107	3,638	531	1,189

Cost per capita

aP. S. 45, estimated. bCost is estimated on the basis of \$10,000 per classroom, ganization was started, in which \$12,500 is used as the cost per classroom. c16 Annex.

Provision of New Buildings

Borough of The Bronx—						
25	New, 179th St. and Third Ave .....	....	....	....	72	72
					72	72

3. By constructing new Public Schools 20 and 29, Brooklyn, 114 unsatisfactory class-rooms are replaced and accommodations provided for 144 classes containing 5,904 pupils at a per capita cost of \$251.85, as against a per capita cost of \$304.88 under the traditional school plan.

Provided by Reorganization, Together with Comparative Costs Thereof Under Sessions Eliminated and Additional Capacity Available for Reduction of Over-

Cost of Improvements Under Duplicate School Plan.	No. of Pupils on Part Time.	No. of Pupils on Double Session.
Estimated Cost Under Traditional School Plan of Reserved Seat for Each Pupil.	<div> <div>3/31/16, Who Will Be Given 5 or 6-Hour Day.</div> <div>12/31/15, in Schools Reorganized in March.</div> </div>	<div> <div>3/31/16, Who Will Be Given Longer School Day.</div> <div>12/31/15, in Schools Already Reorganized in March.</div> </div>
	Register, 3/31/16, Exclusive of Kindergarten.	Register, 3/31/16, Exclusive of Kindergarten.
	Average Size of Class, Exclusive of Kindergarten.	Average Size of Class, Exclusive of Kindergarten.
	Additional Class Capacity Required to Reduce Average Size of Class to 41.	Additional Class Capacity Required to Reduce Average Size of Class to 41.
	Class Capacity Provided for Growth and High School Purposes.	Class Capacity Provided for Growth and High School Purposes.

Elimination of Part-Time and Double Sessions.

\$395,766 00	\$1,117,000 00	....	....	2,693	....	20,195	45.9	52	..
1,090,356 00	3,640,000 00	10,422	a6,687	3,091	a5,377	36,024	43.7	54	—d25
1,088,418 71	b1,738,418 71	....	....	....	....	....	....	....	144
73,530 00	470,000 00	....	....	2,275	....	5,681	42.1	4	17
{ c112,300 00	c112,300 00 }	1,927	....	4,288	....	27,062	42.8	28	20
{ 213,190 00	1,510,000 00 }								
389,015 00	3,110,000 00	6,469	....	7,179	....	34,692	46.0	92	68
50,000 00	220,000 00	....	....	....	e1,335	1,639	40.0	—d1	8
129,160 00	900,000 00	474	....	1,438	....	10,510	44.5	20	40
53,595 00	190,000 00	503	....	273	....	1,856	42.2	+1	9
\$3,595,330 71	\$13,007,718 71	19,795	6,687	21,237	6,712	137,659	44.3	250	281
		26,482		27,949					
\$73 39	\$265 54								

except for additional capacity in New 54 and 55, under construction before reor-
dDecrease. eP. S. 89, estimated.

for Future Growth.

[illegible]

District No.	Public School Nos.	Existing No. of Rooms.		No. of Classes 3/31/16, Exclusive of Kindergartens.	New Satisfactory Class Capacity, Exclusive of Kindergartens Under Duplicate School Plan.	Increase of New Class Capacity Over No. of Classes 3/31/16.	Increase of New Class Capacity Over Existing Regular Classrooms.
		Exclusive of Kindergartens Which Should Be Continued in Use.	Which Should Be Abandoned.				
Borough of Brooklyn—							
39 and 40	New, Dumont, Sheffield and Pennsylvania Aves. ....	....	....	....	72	72	72
38	New, Snyder Ave. and E. 33rd St. ....	....	....	....	72	72	72
		<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
		....	....	....	216	216	216
		<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Cost per capita.....							

aCost per classroom is estimated at \$12,500.

Provision for Replacement

Borough of Brooklyn—							
31	New 20, to replace 17, 17a and 38.....	....	51	64	72	8	72
28	New 29, to replace 29, 13 and 58.....	....	63	73	72	—1	72
		....	114	137	144	7	144
Cost per capita.....							

aCost per classroom is estimated at \$12,500. bDecrease.

Total, Entire Duplicate School Proposition ...							
		2,449	275	3,244	3,998	754	1,549
Cost per capita							

A great deal has been said concerning part-time and double sessions. It is evident from the above table that moderate money will go a long way in eliminating part-time and double sessions by reorganization on the duplicate school plan, which provides accommodations for 48,987 children at a cost of \$73.39 per capita. The construction of new buildings for future growth in Flatbush, Brownsville and The Bronx requires relatively a much greater expenditure of funds, providing accommodations for 8,856 children at a cost of \$215.88 per capita. This is true also of the construction of new buildings for replacements in Districts 28 and 31, which provides accommodations for 5,904 children at a cost of \$251.85 per capita.

The real school housing problem in New York City and in every city is not the elimination of so many children on part-time and double sessions. New York has 117,000 children on part-time and double sessions. But if the Board of Superintendents were to reduce to normal size the 309 classes with registers of above 55 and the 991 classes with registers of 51 to 55, and the 716 classes with registers of 50, and the 3,908 classes with registers of 45 to 50, such reduction of over-size classes would add 100,000 more children to part time and double sessions. And if the various

Cost of Improvements Under Duplicate School Plan.	Estimated Cost Under Traditional School Plan of Reserved Seat for Each Pupil.	No. of Pupils on Part Time.		No. of Pupils on Double Session.		Register, 3/31/16, Exclusive of Kindergarten.	Average Size of Class, Exclusive of Kindergarten.	Additional Class Capacity Required to Reduce Average Size of Class to 41.	Class Capacity Provided for Growth and High School Purposes.
		3/31/16, Who Will Be Given 5 or 6-Hour Day.	12/31/15, in Schools Reorganized in March.	3/31/16, Who Will Be Given Longer School Day.	12/31/15, in Schools Already Reorganized in March.				
627,926 50	900,000 00	....	....	....	....	....	...	...	72
615,474 00	900,000 00	....	....	....	....	....	...	...	72
<u>\$1,911,874 50</u>	<u>a\$2,700,000 00</u>	<u>....</u>	<u>....</u>	<u>....</u>	<u>....</u>	<u>....</u>	<u>...</u>	<u>...</u>	<u>216</u>
\$215 88	\$304 88								

of Old Buildings.

\$783,474 00	\$900,000 00	308	....	962	....	2,538	39.7	—b2	10
703,474 00	900,000 00	158	....	636	....	3,253	45.1	+6	—b7
<u>\$1,486,948 00</u>	<u>a\$1,800,000 00</u>	<u>466</u>	<u>....</u>	<u>1,598</u>	<u>....</u>	<u>5,791</u>	<u>..</u>	<u>4</u>	<u>3</u>
\$251 85	\$304 88	....	....	....	....	....	...	...	...

\$6,994,153 21	\$17,507,718 71	20,261	6,687	22,835	6,712	143,450	44.2	254	500
		26,948		29,547					
<u>\$118 22</u>	<u>\$295 93</u>								

emergency class-rooms and unsatisfactory school buildings were vacated, another 70,000 children would be added to part-time and double sessions. Of the total register 658,904 in the regular grades (1A—8B) (December 31, 1915), 287,000 might have been better off on part-time. A child in a good school room in a class of normal size on part-time for four hours is better off than in an over-size class five hours or in an unsanitary and unsuitable class-room for five hours. The real problem in New York City is to provide new school-room capacity for 58,500 or one-half of the number on part-time and double sessions to relieve such conditions and in addition provide new school-room capacity for 85,000 children to reduce oversized classes and eliminate emergency and unsatisfactory class-rooms. With the traditional plan this would necessitate the construction of 3,500 class-rooms at a cost of \$42,000,000 on present estimated cost of \$12,000 per class-room, and no provision would be made for future growth.

The problem of providing a school seat for every child is not difficult, for New York City now has and always has had more school seats than children in the schools. The real problem is to provide a school seat for every child at the place where the

child can use it in a shifting population, and to scrap the worn out plant and equipment. It would be interesting to know how many unused school sittings New York would now have if the City had been able at all times to provide a school seat for each child at the place where he could use it. No city of any size has yet been able to provide satisfactory school accommodations on the basis of a reserved school seat for every child at the place where each child happens to be at the time.

No satisfactory estimate can be made at present of the value of school properties to be vacated or of the total annual reduction in operating cost due to the operation of a less number of plants. The proposal so far abandons the plants of Public Schools 17, 37, 38, 59, 166, 20, 29 and 13 in Brooklyn and the annexes to Public Schools 101 in Manhattan, 2, 4, 45 and 42 in The Bronx and 17 and 19, Brooklyn, and reduces the number of school organizations by three.

Although it is impossible to estimate accurately in advance of exact determination for each one of the several school districts the exact amount of money that will be required to reconstruct and extend the existing school plant in order to adapt it to a work-study-and-play plan of instruction in so far as may be required to eliminate part-time and double sessions, to reduce over-size classes, to provide necessary replacements, and take care of the growth in school population, it is safe to estimate that approximately \$6,000,000 a year will be required for three years if high schools are included.

In deciding upon a method of procedure in providing adequate school accommodations, the relative urgency of elementary schools and high schools must be weighed. It would appear that relief for both types of school activity must be carried on simultaneously. If it is agreed that \$6,000,000 annually is to be appropriated for school accommodations during three years, approximately one-fifth of this amount should be set aside for high school purposes. In the last analysis the high schools and the elementary schools should be considered as one organization and so far as possible the larger and better elementary school buildings should be reorganized to include at least the first two years of high school work.

The Plan for Reorganization.

In October, 1915, at a joint conference between the Committees on Education and Tax Budget of the Board of Estimate and Apportionment and the Committee on Finance and the Special Committee on Economy of the Board of Education, it was agreed that the Board of Education should report immediately to the Board of Estimate and Apportionment a comprehensive plan for making such changes as would be required in the elementary school plant, together with the approximate cost thereof, in order to adapt it to the work-study-and-play plan of instruction for the purpose of eliminating part-time, with the understanding that \$5,000,000 would be made available for this purpose as soon as such plans had been jointly approved. Thereupon the Board of Superintendents proceeded to lay out a systematic plan for the entire City on the basis proposed.

All schools having part-time or double sessions were selected and grouped with a view to the elimination of undesirable rooms and the abandonment of unfit buildings. Noisy rooms, not adapted to regular academic work, were to be utilized for shops. A library was to be provided in the school building if there was no public library in the neighborhood. Provision was to be made for forty square feet of play space for every child playing. All playgrounds were to be equipped with adequate and proper apparatus. In addition, all schools were to be provided with shops, drawing rooms, science laboratories, sewing rooms, music rooms, cooking rooms, gymnasiums and auditoriums. In order to accomplish all this, duplicate X and Y schools were to be housed in a single building on the basis of seventy-two classes in a forty-five room building, and forty-eight classes in a thirty-room building. The school plant was to be adapted to this program by making structural changes in existing buildings, enlarging them, securing additional play space, constructing new buildings and providing such equipment as would be required for the new plan of instruction.

On March 8, 1916, after prolonged consideration there was presented to the Board of Education a report from the Board of Superintendents, submitting detailed plans for the proposed reorganization. It was estimated that \$10,129,326 would be required to abolish part-time alone, and \$12,464,784 if both part-time and double sessions were to be eliminated throughout the entire city. This report was referred to a special Joint Committee, composed of the Committee on Elementary Schools, the Committee on Vocational Schools and Industrial Training, and the Committee on Buildings. On March 22, 1916, this Joint Committee submitted to the Board of Education a report, recommending a request for corporate stock in the sum of \$2,873,695. This report was ordered to be printed and sent to the members. On

April 12 and 19 the request was amended by adding sundry new items and increasing the several estimates for construction work twenty-five per cent. It now aggregates \$4,796,212, of which \$2,790,465 is for new buildings or additions, \$361,767 for alterations to old buildings, \$308,980 for additional equipment for old buildings, \$1,131,000 for sites, and \$204,000 for salaries of inspectors and draftsmen and contingencies, distributed by boroughs as follows:

Summary of Request.

Borough of.	New Build- ings or Additions.	Alter- ations.	Equipment.	Sites.	Miscel- laneous.	Total.
Manhattan ...	\$166,500 00	\$61,771 00	\$83,550 00	\$100,000 00	.....	\$411,821 00
The Bronx....	546,474 00	113,896 00	34,730 00	380,000 00	.....	1,075,100 00
Brooklyn	1,237,974 00	183,850 00	179,355 00	611,000 00	.....	2,212,179 00
Queens	839,517 00	2,250 00	11,345 00	40,000 00	.....	893,112 00
All Boroughs..	.....	.....	.....	.....	\$204,000 00	204,000 00
Grand Total.	\$2,790,465 00	\$361,767 00	\$308,980 00	\$1,131,000 00	\$204,000 00	\$4,796,212 00

Part-Time and Double Sessions.

The official figures for the day elementary schools for the month of March, 1916, show a total registration of 728,409 pupils, of whom 96,283 in the first year receive only four hours instruction per day instead of five, and 31,287 in various grades above the first year receive less than five hours instruction, and in the first year receive less than four hours instruction per day in so-called part-time classes. The total registration is distributed as follows.

Day Elementary Schools.

Borough of.	Total Register As of March 31, 1916.	Register Receiving 4 Hours' Instruction (1st Year Classes).	Register on Part Time.	Per Cent. of Total Register.	
				Receiving 4 Hours' Instruction.	On Part Time.
Manhattan	273,865	36,866	2,020	13.5	.7
The Bronx	99,660	11,742	14,512	11.8	14.6
Brooklyn	278,441	37,836	10,975	13.6	3.9
Queens	61,246	7,666	3,764	12.5	6.1
Richmond	15,197	2,173	16	14.3	.1
Total	728,409	96,283	31,287	13.2	4.3

Full time instruction consists of two sessions aggregating five hours daily separated by an intermission of at least one hour. In 1913 the By-Laws of the Board of Education were so amended as to provide that four hours teaching daily, consisting of two sessions separated by an intermission of at least one hour, should be considered full time for all classes in the first year grades. Classes having less than full time, as so defined, were to be designated part-time classes. An apparent reduction in the number of pupils on part-time was thus brought about by a mere change in terminology. Although the official record as quoted above shows only 31,287 pupils on part-time for the month of March, there were 96,283 additional pupils in the first year grades who were receiving only four hours instruction per day. This makes a total of 127,570 pupils who were receiving less than the standard five hours per day. In addition to the aforesaid part-time and four hour classes, there are a number of classes above the first year on a so-called double session plan whereby two classes are accommodated for four hours each in one class-room, the additional hour required for a five-hour day being spent in the auditorium and playground.

All part-time and double session devices hitherto tried in the New York City schools have had as their objective the securing as nearly as possible of facilities for the traditional five-hour curriculum. They were not designed to secure greater

advantages for the children than are offered by the ordinary single school system. Under the duplicate school plan it is proposed by means of a two-school organization in each building to provide at least six hours in school for the children with greatly enlarged opportunities. By providing sufficient facilities in auditoriums, gymnasiums, playgrounds, laboratories, work shops, studios and science laboratories to accommodate approximately half of the children at any one time, by keeping all facilities in constant use and by extending the school day for children, only one classroom is required for every two classes. It should be clearly understood, however, that this duplicate school plan is not a part-time plan nor is it a double session plan. Neither is it a temporary expedient to be adopted merely until a sufficient number of school buildings can be erected to provide a seat for every child. It is a new and better type of school organization designed eventually to entirely supersede the old traditional plan of a seat for every child.

The Joint Committee of the Board of Education had before it statistics showing congestion in all schools throughout the city. The plan for proceeding with the reorganization was based upon the order of urgency in the relief of congestion by districts. As will appear from the following table of the total registration of 31,287 pupils on part-time, as of March 31, 1916, the Borough of The Bronx had 14,512 or 46.3 per cent., Brooklyn being second with 10,975 or 35.1 per cent., and the remaining boroughs, Queens, Manhattan and Richmond, following in the order named:

Distribution of Part Time by School Districts, As of March 31, 1916.

Borough of.		Register on Part Time	Per Cent. of Total Register on Part Time in Each Borough.
District No. 7	Manhattan	1,150	
District No. 20	Manhattan	510	
District No. 22	Manhattan	360	
Total, Manhattan		2,020	6.5
District No. 24	The Bronx.....	4,013	
District No. 25	The Bronx.....	8,281	
District No. 26	The Bronx.....	2,218	
Total, The Bronx.....		14,512	46.3
District No. 28	Brooklyn	632	
District No. 29	Brooklyn	178	
District No. 31	Brooklyn	1,300	
District No. 32	Brooklyn	488	
District No. 34	Brooklyn	935	
District No. 38	Brooklyn	677	
District No. 39	Brooklyn	2,875	
District No. 40	Brooklyn	3,890	
Total, Brooklyn		10,975	35.1
District No. 41	Queens	506	
District No. 42	Queens	503	
District No. 43	Queens	842	
District No. 44	Queens	1,913	
Total, Queens		3,764	12.0
District No. 45	Richmond.....	16	
Total, Richmond		16	.1
Total, All Boroughs.....		31,287	100.0

In taking up the work of reconstructing the elementary school plant to adapt it to the work-study-and-play plan of instruction, the Joint Committee decided to complete the reorganization already under way in the Borough of the Bronx, which is the most congested of the five boroughs. In addition to this it was decided to reorganize the four districts in Brooklyn showing the greatest congestion, and to relieve over-crowding in the upper east side of Manhattan, a new forty-eight room building for the relief of the latter locality (District 17) having been first in order of urgency in the request for \$6,471,739 hereinbefore mentioned, which was withdrawn. Besides relieving the four most congested districts in the Borough of Brooklyn, it was also decided to replace old Public School 29 in District 28, which is not only congested but also unfit for occupancy; also to relieve P. S. 135.

The Reorganization in Manhattan.

While, as will appear from the part-time statistics hereinbefore given, there is no part-time instruction in Districts 16 and 17, Manhattan, the following table shows that there are fifty-four classes on the double-session plan in the seven schools which it is proposed to reorganize, and that the average size of class for the group as of March 31, 1916, exclusive of kindergartens, is 45.9 pupils. It should further be noted that 28 of the class rooms now in use are emergency rooms and that in P. S. 83 twenty-six classes are accommodated in thirteen rooms, two classes with small registers occupying each room at the same time.

Statement Showing Register and Number of Classes Exclusive of Kindergartens As of March 31, 1916, Distributed by Part-Time and Double Sessions for Schools to Be Reorganized on the Duplicate School Plan in Districts 16 and 17.

Manhattan.

Public School No.	Total Register and No. of Classes Exclusive of Kindergartens.		Register and No. of Classes on Double Session Plan.		No. of Rooms Exclusive of Kindergarten.		Proposed No. of Classes Under Duplicate School Plan.	Date of Erection of Building.
	Reg-ister.	No of Classes.	Reg-ister.	No. of Classes.	Reg.	Em.		
72	2,388	49	291	6	41	5	54	1881-1915
83	2,849	70	*.....	*.....	57	....	88	1885-1904
101 M. B.....	1,825	40	....	....	40	....	64	1910
A	841	19	....	....	....	19	....	....
121	2,158	46	100	2	45	....	46	1894-1907
168 G.....	1,600	35	....	....	34 }	....	84	1898
168 P.....	1,750	36	198	4	34 }	....	80	1900
171	3,422	75	1,091	22	64	....	76	1899
109	3,362	70	1,013	20	60	....	76	1899
	20,195	440	2,693	54	375	24	492	

*Twenty-six classes use 13 rooms at same time.

Average size of class, 45.9.

Note—M. B., Main Building; A., Annex; G., Grammar; P., Primary; Reg., Regular; Em., Emergency.

The reorganization provides for 492 classes as against 440 as of March 31st. This will make it feasible to eliminate all unsatisfactory rooms and double session classes, and to reduce over-size classes, while at the same time the general educational facilities of the group of schools as a whole will be greatly extended and improved.

As will appear from the following table, the total amount of money to be expended in these two districts aggregates \$411,821, of which total \$100,000 is for additional land for public schools 83 and 101, \$166,500 is for the construction of an addition to P. S. 83, and the remainder for alterations and equipment:

Request for Reorganization—Borough of Manhattan.

Dist.	P. S.	New Build- ings or Additions.	Alterations.	Equipment.	Sites.	Total.
17	72	.....	\$7,102	\$9,640	.....	\$16,742
17	83	\$166,500	3,614	11,660	\$50,000	231,774
17	101	.....	3,600	4,860	50,000	58,460
17	121	.....	9,705	6,350	.....	16,055
17	168	.....	14,100	18,365	.....	32,465
17	171	.....	13,225	13,795	.....	27,020
16	109	.....	10,425	18,880	.....	29,305
Total		\$166,500	\$61,771	\$83,550	\$100,000	\$411,821

In view of the fact that the reorganization of P. S. 121 will make necessary expensive alterations in the old building, which is a remodeled silk factory, it is recommended that no change be made in the building at present, until such time as a new building can take the place of the old part. In the appropriation recommended for the Borough of Manhattan the item of \$16,055 for alterations and equipment of P. S. 121 has therefore been disallowed. The reorganization of the main building of P. S. 101 will make possible the abandonment of the nineteen-room leased annex to this building.

The Bronx Reorganization.

As will appear from the summary statement for the Borough of The Bronx which follows, \$757,260 was appropriated for the reorganization of twelve schools in districts twenty-five and twenty-six during 1915. An additional amount of \$1,001,570 for these two districts is included in the request herein considered, of which amount \$668,474 is to provide a new site and building in the vicinity of 179th Street and Third Avenue. This new building is to take the place of two new buildings, for which funds were requested in items 2 and 3 of the estimate which was withdrawn, one at 179th Street and Third Avenue, the other at 180th Street and Southern Boulevard.

Borough of The Bronx.

Summary of Requests and Previous Appropriations.

Dist.	Public School.	Amount Appropriated During 1915.	Amount Requested 1916.	Total Appropriated 1915 and Requested 1916.
26	32.....	\$150,000 00	\$38,000 00	\$188,000 00
26	45.....	170,000 00	146,500 00	316,500 00
25	4.....	180,000 00	50,046 00	230,046 00
25	40.....	142,500 00	46,350 00	188,850 00
25	2 }		41,000 00	41,000 00
25	6 }		1,000 00	1,000 00
25	28 }		1,400 00	1,400 00
25	42 }	52,260 00	1,400 00	1,400 00
25	44 }		1,400 00	1,400 00
25	50 }		1,000 00	1,000 00
25	53 }	62,500 00	1,000 00	63,500 00
26	5 }		4,000 00	4,000 00
				52,260 00
25	New 179th St. and Third Ave.....	.....	668,474 00	668,474 00
Totals		\$757,260 00	\$1,001,570 00	\$1,758,830 00
23	30.....	.....	6,615 00	6,615 00
23	43.....	.....	66,915 00	66,915 00
Totals .....		.....	\$73,530 00	\$73,530 00
Total, The Bronx.....		\$757,260 00	\$1,075,100 00	\$1,832,360 00

The sum of \$170,000 was provided in 1915 for an addition to P. S. 45. In addition to this amount, an expenditure of \$100,000 for a site (180 ft. by 353 ft.) for playground purposes and of \$40,000 for a site (180 ft. by 114 ft.) for garden purposes is proposed. This seems to be an unduly large expenditure for land at one school, but the entire block which it is proposed to acquire for a playground is intended to serve P. S. 5 and 32 also for general playground purposes. As P. S. 45 has almost entirely Italian children, who with their parents are interested in gardening, it has been decided to emphasize the gardening and agricultural aspects of vocational training in this particular school. Both of these sites have been loaned to the school since its re-organization. The sum of \$25,000 is requested to purchase additional land at P. S. 40, in order to extend the present playground. The sum of \$113,896 is requested in order to make the necessary alterations in the original buildings of P. S. 32, 45, 4 and 40, for which funds for annexes were allowed during 1915. In addition to completing the reorganization in districts 25 and 26, it is further proposed to reorganize P. S. 30 and 43, two of the most congested schools in district 23. In detail, the items for the Bronx are as follows:

Request for Reorganization, Borough of The Bronx.

Dist.	Pubic School.	New Build- ings or Additions.	Alterations.	Equipment.	Sites.	Total.
26	5.....	\$3,000	.....	\$1,000	.....	\$4,000
26	32.....	.....	\$37,500	500	.....	38,000
26	45.....	.....	6,000	500	\$140,000	146,500
25	2.....	.....	.....	1,000	40,000	41,000
25	4.....	.....	49,546	500	.....	50,046
25	6.....	.....	.....	1,000	.....	1,000
25	28.....	.....	.....	1,400	.....	1,400
25	40.....	.....	20,850	500	25,000	46,350
25	42.....	.....	.....	1,400	.....	1,400
25	44.....	.....	.....	1,400	.....	1,400
25	50.....	.....	.....	1,000	.....	1,000
25	53.....	.....	.....	1,000	.....	1,000
25	New, 179th St. & 3d Ave.....	543,474	.....	.....	125,000	668,474
		\$546,474	\$113,896	\$11,200	\$330,000	\$1,001,570
23	30.....	.....	.....	\$6,615	.....	\$6,615
23	43.....	.....	.....	16,915	\$50,000	66,915
		.....	.....	\$23,530	\$50,000	\$73,530
Total, The Bronx.....		\$546,474	\$113,896	\$34,730	\$380,000	\$1,075,100

At the present time but six of the twelve schools in the Bronx for the re-organization of which funds were granted during 1915 have been so re-organized, viz., Nos. 6, 28, 42, 44, 45 and 53. The following table shows that of the total registration of 36,024 in the twelve schools in 825 classes exclusive of kindergartens, 68 first year classes are on the double session plan, 226 classes are on part time and 378 classes in the six re-organized schools are on the Gary work-study-and-play school plan. When the re-organization of the three remaining schools (Nos. 2, 5 and 50) which do not require annexes and the four which require annexes (Nos. 4, 32, 40 and 45) is completed, there will be accommodations for 854 classes, exclusive of the kindergartens. All of these classes will receive at least five hours instruction, and the majority will receive six hours.

Statement Showing Register and Number of Classes Exclusive of Kindergartens As Plan for the Schools in Districts 25, 26 and 23, The Bronx, Which

Public School No.	Total Register and No. of Classes, Excluding Kindergartens as of March 31, 1916.		Register and No. of Classes on Part Time.	
	Register.	No. of Classes.	Register.	No. of Classes.
				Districts
2 M.	2,666	61	1,144	25
A.	293	6	....	....
4 M.	3,515	80	2,411	53
A.	637	15	....	....
5.....	1,059	26	....	....
6.....	1,812	46	....	....
28 M.	2,944	68	....	....
A.	301	7	....	....
32 M.	3,126	71	2,218	50
A.	68	4	....	....
40.....	4,781	98	3,060	62
42 & A.....	2,994	64	....	....
44.....	2,993	64	....	....
45 M.	2,981	70	....	....
A.	193	7	....	....
50.....	2,895	68	1,589	36
53.....	2,766	70	....	....
Total.....	36,024	825	10,422	226
Average size of class, 43.7.				
				District
30.....	2,472	59	....	....
43.....	3,209	76	....	....
Total.....	5,681	135	....	....
Average size of class, 42.1.				

*Note—Public Schools 6, 28, 42, 44 and 53 were reorganized February 1, 1916. Public School 45 was reorganized February 27, 1915. Statistics regarding part time and double session as of December 31, 1915, before reorganization, are given below:

Public School.	Part Time.		Double Session.	
	Register.	No. of Classes.	Register.	No. of Classes.
6.....	811	17	301	7
28.....	1,632	38	378	8
42.....	....	....	2,108	46
44.....	1,826	40	493	10
53.....	....	....	1,749	40
45.....	2,418	†57	348	†7

†Estimated.

In addition to the twelve schools which are being reorganized, there are two new seventy-two class buildings now under construction, Nos. 54 and 55, which will be completed during 1916. These buildings, together with the one in the vicinity of 179th Street and Third Avenue, for which corporate stock is requested, will increase the class capacity of the schools in the neighborhood from 854 to 1,070, as against 825 classes now on register, exclusive of kindergartens. This will mean a class capacity of 245 in excess of the existing number of classes, as well as a full school day for the 294 classes at present on double session and part time. When it is considered, however, that the average number of pupils per class in the twelve schools

of March 31, 1916, Distributed by Part Time, Double Sessions and Duplicate School Have Been or Are to be Reorganized on the Duplicate School Plan.

Register and No. of Classes on Double Session Plan.		Register and No. of Classes on Duplicate School Plan.*		No. of Rooms, Exclusive of Kindergartens.		Proposed No. of Classes Under Duplicate School Reorgani- zation.
Register.	No. of Classes.	Register.	No. of Classes.	Reg.	Em.	
25 and 26.						
484	11	....	....	37	....	72
....	....	....	....	....	6	....
645	14	....	....	46	....	88
....	....	....	....	....	15	....
193	5	....	....	19	5	32
....	....	1,812	46	31	2	48
....	....	2,944	68	46	....	72
....	....	....	....	7	....	12
705	16	....	....	29	8	72
....	....	....	....	4	....	....
521	11	....	....	57	1	96
....	....	2,994	64	40	5	64
....	....	2,993	64	40	....	66
....	....	2,945	68	43	....	88
....	....	....	....	....	7	....
543	11	....	....	45	....	72
....	....	2,724	68	46	....	72
<hr/> 3,091	<hr/> 68	<hr/> 16,412	<hr/> 378	<hr/> 490	<hr/> 49	<hr/> 854
23.						
946	22	....	....	48	....	72
1,329	30	....	....	61	....	84
<hr/> 2,275	<hr/> 52	<hr/>	<hr/>	<hr/> 109	<hr/>	<hr/> 156

under consideration is 43.6, as against a corresponding average of 41.7 for the city as a whole, and that the increase in districts 25 and 26 for the past five years has been 16,411 pupils, or 92.3 per cent., and 7,428 pupils, or 56.8 per cent., respectively, and further, that at least three years must elapse before the new building at 179th Street will be ready, it will be seen that the school accommodations which are proposed are not more ample than should be projected for this rapidly increasing center of population.

Increase in School Population Since 1911.

Year.	District No. 25.		District No. 26.	
	Register March 31.	Increase Year Over Year	Register March 31.	Increase Year Over Year.
1911.....	17,779	.....	13,071	.....
1912.....	24,073	6,294	15,161	2,090
1913.....	26,186	2,113	16,914	1,753
1914.....	28,989	2,803	18,525	1,611
1915.....	32,629	3,640	19,569	1,044
1916.....	34,190	1,561	20,499	930
Total.....		16,411		7,428
Per cent. of increase since 1911		92.3%		56.8%

Borough of Brooklyn.

For the Borough of Brooklyn, an aggregate amount of \$2,212,179 is requested for the purpose of reorganizing the four most congested districts, i. e., 31, 34, 39 and 40, and for the construction of two new buildings in other districts, one to replace old P. S. 29 in District 28, and the other to relieve P. S. 135 in the Rugby section of District 39. The details of the request are as follows:

Request for Reorganization, Borough of Brooklyn.

Dist.	P. S.	New Build- ings or Additions.	Altera- tions.	Equipment.	Sites.	Total.
28	New 29.....	\$292,000	.....	.....	\$160,000	\$452,000
38	New 135.....	292,000	.....	.....	72,000	364,000
31	16.....	.....	5,580	8,040	.....	13,620
31	19.....	.....	15,035	13,185	{ 45,000 } { 20,000 }	93,220
34	23.....	.....			
31	143.....	.....	6,350	8,040	.....	14,390
31	33.....	.....	6,300	10,790	.....	17,090
34	110.....	.....	9,850	8,040	13,000	30,890
34	126.....	.....	10,200	8,040	.....	18,240
34	132.....	6,500	11,700	8,040	.....	26,240
34	New 20.....	543,474	.....	.....	240,000	783,474
Sub-Total.....		549,974	65,015	64,175	318,000	997,164
40	64.....	.....	4,700	14,085	15,000	33,785
39	66.....	24,000	13,000	10,790	20,000	67,790
40	72.....	.....	12,005	8,040	.....	20,045
39	109.....	80,000	21,400	14,085	.....	115,485
39	125.....	.....	6,075	5,145	.....	11,220
40	149.....	.....	11,955	10,790	10,000	32,745
39	150.....	.....	.....	.....	.....	.....
39	156.....	.....	12,025	14,585	16,000	42,610
39	165.....	.....	9,000	8,040	.....	17,040
40	173.....	.....	10,075	10,790	.....	20,865
40	174.....	.....	9,250	10,790	.....	20,040
39	175.....	.....	9,350	8,040	.....	17,390
Sub-Total.....		104,000	118,835	115,180	61,000	399,015
Total Brooklyn.		\$1,237,974	\$183,850	\$179,355	\$611,000	\$2,212,179

Statement Showing Register and Number of Classes Exclusive of Kindergartens as Reorganized on the Duplicate School

		Total Register and No. of Classes Exclusive of Kindergartens.		Register and No. of Classes on Part Time.	
		Register.	No. of Classes.	Register.	No. of Classes.
New building	.....	.....	.....	.....	.....
Public School	29.....	915	19	.....	.....
Public School	58.....	811	19	.....	.....
Public School	13.....	1,537	35	158	3
Sub-Total.....		3,263	73	158	3
Public School	78.....	1,072	26	.....	.....
Public School	6.....	1,662	37	.....	.....
Public School	32.....	1,438	32	.....	.....
Public School	46.....	1,270	29	.....	.....

Public School 29, which is located at Columbia and Amity streets, in District 28, is housed in an old building which has for long been unfit for occupancy. This building has been in use for school purposes since its purchase by the City in 1864, prior to which time it was a public dance hall. The Board of Education has requested \$160,000 for the acquisition of a new site, and \$292,000 for the construction thereon of a twenty-six class room building to replace this old structure. In requesting money for a new building, no comprehensive study was made of the needs of the entire district in order to work out a plan for providing complete and satisfactory school accommodations. Besides old P. S. 29, there are two other unsatisfactory school buildings in the neighborhood, viz., Nos. 13 and 58, which should ultimately be abandoned. It seems advisable, therefore, to provide for the construction of a standard fifty-one unit building at this time to accommodate 72 classes, with all facilities necessary for a work-study-and-play school program. It also seems advisable to provide for alterations in and an addition to No. 6, and for the reorganization of No. 142, as proposed in the report of Superintendent McAndrew, in order to relieve congestion in P. S. 27, 32, 78 and 46, and provide for the abandonment of eight unsuitable rooms in the latter building. The total expenditure for the ultimate solution of the entire school problem in District 28 will thus have been covered. It is, therefore, recommended that \$543,474 be appropriated for the construction of a fifty-one unit building to replace No. 29, that \$103,690 and \$10,000, respectively, be appropriated for an addition to and alterations in P. S. 6, and that \$15,470 be appropriated for alterations to and equipment of P. S. 142. By the extension of the duplicate school plan through the reorganization of Public Schools 6, 78, 142 and 30, the needs of the entire district can thus be satisfactorily met and accommodations will be available for high school purposes, besides.

The following table shows the conditions in the schools of District 28, in which 14 classes are on part time and 45 are on the double session plan, while 15 rooms are unfit for use. The average size of class for the district as a whole is 44.6, which is very high when average conditions in the city as a whole are considered:

of March 31, 1916, Distributed by Part Time and Double Sessions for Schools to Be Plan in District 28, Brooklyn.

Register and No. of Classes on Double Session Plan.		No. of Rooms Exclusive of Kindergarten.		Proposed No. of Classes Under Duplicate School Plan.	Date of Erection of Building.
Register.	No. of Classes.	Regular.	Emergency.		
....	....	....	....	72	....
202	4	16	1	....	1865
120	4	16	....	....	1884
314	7	24	6	....	1860-88
636	15	56	7	72	....
82	2	24	....	26	1888
466	10	32	....	80	1906
229	5	29	....	32	1871
414	8	17	8	29	1882-95

	Total Register and No. of Classes Exclusive of Kindergartens.		Register and No. of Classes on Part Time.	
	Register.	No. of Classes.	Register.	No. of Classes.
Public School 142.....	1,673	31	....	....
Public School 27.....	1,929	44	474	11
Public School 30.....	1,466	37	....	....
Sub-Total.....	10,510	236	474	11
Total.....	13,773	309	632	14

Average size of class, 44.6.

Public School 135, located on Church Avenue and East 48th Street, in the section known as Rugby, is a twelve class school, occupying an eight room portable building on a leased site. Although the school has all grades, it has no suitable facilities for shop work and domestic science. The Board of Education has requested \$72,000 for the purchase of a site and \$292,000 for the construction of a twenty-six class room building to relieve this school. It is stated that the new building is to be on Snyder Avenue, but whether in the vicinity of 48th Street, near P. S. 135, or to the west in District 38, near 33d Street, to relieve congestion in Public Schools 89, 90, 92 and 152, as was proposed in Item 9 of the Corporate Stock request which was withdrawn, is not definitely stated. The children attending P. S. 135 live for the most part along Church Avenue west of the school. In the vicinity of Snyder Avenue and 33d Street there is a rapidly growing district with a large number of children that are inadequately housed in P. S. 90. By erecting a new building in this locality, P. S. 90 may be relieved as well as P. S. 135. This territory is so large and the development thereof so well assured that it seems advisable to construct a standard fifty-one unit building to accommodate 72 classes on a duplicate school plan instead of a twenty-six room building as proposed. It is therefore recommended that \$543,474 be appropriated for this purpose instead of \$292,000 as requested.

The Williamsburg and Greenpoint Sections.

For the re-organization of District 31, which is the Williamsburg section, and District 34, which is the adjoining Greenpoint section, the sum of \$997,164 is requested. Of this total, \$240,000 is for the acquisition of a new site and \$543,474 for the construction of a new building to replace old P. S. 20, located at Union Avenue and Keap Street. These districts illustrate clearly the necessity of providing for the

Statement Showing Register and Number of Classes Exclusive of Kindergartens as Reorganized on the Duplicate School Plan, Replaced

Public School No.	Total Register and Number of Classes Exclusive of Kindergartens.		Register and Number of Classes on Part-Time.	
	Register.	No. of Classes.	Register.	No. of Classes.
16.....	1,946	47	321	District 7
17M.....	1,338	33	....	....
A.....	273	7	....	....
A.....	58	3	....	....
19M.....	3,072	69	....	....
A.....	172	4	....	....
33.....	1,323	32	....	....
122.....	1,668	39	....	....
37.....	1,199	28	....	....

Register and No. of Classes on Double Session Plan.		No. of Rooms Exclusive of Kindergarten.		Proposed No. of Classes Under Duplicate School Plan.	Date of Erection of Building.
Register.	No. of Classes.	Regular.	Emergency.		
....	....	30	....	48	1903
247	5	36	....	44	{ 1860-90 1906
....	....	38	....	37	{ 1868-83 1900-06
1,438	30	206	8	296	....
2,074	45	262	15	368	....

replacement of old buildings from time to time. The two districts have twenty-three separate school buildings, of which ten are unsatisfactory for school purposes. In solving the part time and double session problem it would be possible, by re-organizing P. S. 143, 132 and 19, to relieve the congestion in these buildings and also to take care of all the classes in P. S. 20. But by erecting a new building for P. S. 20 in the vicinity of P. S. 17, as well as re-organizing the other schools occupying the best buildings in the districts, not only old No. 20 and the annex to No. 19, but also Public Schools 38, 37, 166, 17, and the annex to 17, might be abandoned. The saving in the operation of one large new building as compared with the operation of the six old buildings mentioned will be approximately \$25,000 a year.

No request is made for a new building to take the place of Public Schools 31 and 22, although these schools, which have a combined register of sixty-nine classes exclusive of kindergartens are improperly housed in old buildings without adequate facilities. A new fifty-one unit building should be erected in the near future to replace these buildings. Public School 51, which will not be needed for elementary school purposes, might be used as an annex to the Eastern District High School to accommodate the pupils now housed in P. S. 143.

As will appear from the following table of statistics regarding registration, number of classes, and school capacity present and proposed, for Districts 31 and 34, there are $49\frac{1}{2}$ classes on part time and $117\frac{1}{2}$ classes on double session in the two districts, which have a total of 696 classes exclusive of kindergartens. Including new P. S. 20 and excluding old buildings to be abandoned, the re-organization will provide accommodations for 752 classes, an excess of 56 over the existing number. This would appear to be ample to provide for the reduction of over size classes and for immediate growth in population.

of March 31, 1916, Distributed by Part-Time and Double Sessions for Schools to be or Abandoned, in Districts 31 and 34, Brooklyn.

Total Register and Number of Classes on Double Session Plan.		Number of Rooms Ex- clusive of Kindergartens.		Proposed Number of Classes Under Duplicate School Plan.	Date of Erection of Building.
Register.	No. of Classes.	Regular.	Em.		
31.					
138	3	42 a16	....	72	1858-1887
649	15	29	....	....	1862
94	2	5(+1)	....	....	1870
....
884	20	59	....	72	1850-1911
....	....	4	....	....	1879
....	....	32	....	80	{ 1871-1884 1900
259	6	36	....	....	1875-1888
....	....	28(+1)	....	....	....

Public School No.	Total Register and Number of Classes Exclusive of Kindergartens.		Register and Number of Classes on Part-Time.	
	Register.	No. of Classes.	Register.	No. of Classes.
38.....	869	21	308	7
50M.....	2,332	50	....	....
A.....	291	6	....	....
143.....	1,701	40	671	14½
166.....	327	13	....	....
Sub-Total	16,569	392	1,300	28½
				District
20.....	858	21	418	10
22.....	810	22	....	....
23.....	2,115	48	97	2
31.....	2,057	47	....	....
51.....	914	22	182	4
59.....	511	13	....	....
110.....	1,912	44	....	....
126.....	1,902	45	....	....
132.....	1,952	42	238	5
Sub-Total	13,031	304	935	21
Total	29,600	696	2,235	49½

Average size of class, 42.5.

a Under construction. *b* High School Annex. *c* New.

The Brownsville Section.

The total amount of money requested for the reorganization of the schools in the Brownsville section of Brooklyn (Districts 39 and 40) is \$399,015, of which total \$104,000 is for additions to buildings, \$118,835 for alterations in old buildings, \$115,180 for equipment, and \$61,000 for additional sites. As most of the school buildings in the Brownsville section are comparatively new, this problem is one of changing existing buildings, adding new equipment and additional playground space, rather than of replacing old buildings. As will appear from the following table giving statistics for school registration, number of classes and school capacity present and proposed, accommodations are provided in the reorganization for 914 classes as against an existing number of 754 exclusive of kindergartens. In view of the great demand for additional high school accommodations in this section, \$840,000 having been included in the Corporate Stock request which was withdrawn, for the purpose of constructing a new high school building on the site owned at Dumont, Pennsylvania and Sheffield Avenues, it should be noted that it will be practicable to utilize fifty or sixty of the

Statement Showing Register and Number of Classes Exclusive of Kindergartens as Reorganized on the Duplicate School

Public School No.	Total Register and Number of Classes Exclusive of Kindergartens.		Register and Number of Classes on Part-Time.	
	Register.	No. of Classes.	Register.	No. of Classes.
				District
66.....	2,137	50	....	....
109B.....	2,412	52	844	17
109G.....	2,489	51	539	11
125.....	1,711	36	192	4
150.....	2,013	47	....	....

Total Register and Number of Classes on Double Session Plan.		Number of Rooms Ex- clusive of Kindergartens.		Proposed Number of Classes Under Duplicate School Plan.	Date of Erection of Building.
Register.	No. of Classes.	Regular.	Em.		
219	5	15(+1)	....	....	1865
688	14	44	....	80	1915
....	....	6	....		1858—1899
238	5½	45	....	64	1903
158	6	8	4	....	1854—1869
3,327	76½	369	4	368	.....
34.					
267	6	13(+1)	....	c72	1848—1869
80	2	21	....	21	1856—1884
87	2	46	....	60	1858—1894
764	16	39	....	39	1874—1890
185	4	18	....	b....	1886
....	....	13(+1)	....	....	1869
187	4	43	....	60	1895—1906
....	....	46	....	72	1900—1909
353	7	36	....	60	1902—1905
1,923	41	275	....	384	.....
5,250	117½	644(+5)	4	752	.....

increased class capacity of 160 provided under the reorganization in these two districts for the accommodation of high school pupils in elementary schools, especially in Public Schools 109 and 64. In fact, it is entirely feasible to devote one section of the latter building exclusively to high school purposes since it has two auditoriums and is so large that complete facilities might be provided for a separate high school organization if the union of high and elementary schools in one organization should appear undesirable. The remaining capacity for one hundred classes will be available for the reduction of over size classes and the growth of population. Although no request has been made for a new building in the Brownsville section, it is evident that additional relief for Public Schools 174 and 149 cannot be much longer delayed. The City owns a site near P. S. 174, at Dumont, Pennsylvania and Sheffield Avenues, which was acquired for high school purposes. In view of the fact that Brownsville has four very large elementary schools that should have high school departments, i. e., Public Schools 64, 84, 109 and 156, the high school site near P. S. 174 should be used for a combination elementary and high school. It is therefore recommended that \$543,474 be appropriated at this time for the construction of a fifty-one unit building on the aforesaid site.

of March 31, 1916, Distributed by Part-Time and Double Sessions for Schools to be Plan in Districts 39 and 40, Brooklyn.

Total Register and Number of Classes on Double Session Plan.		Number of Rooms Ex- clusive of Kindergartens.		Proposed Number of Classes Under Duplicate School Plan.	Date of Erection of Building.
Register.	No. of Classes.	Regular.	Em.		
39.					
....	....	50	....	72	1906
350	7 }				
558	11 }	78	....	112	1895—1907
300	6	24	7	36	1900—1905
....	....	47	....	72	1907

Public School No.	Total Register and Number of Classes Exclusive of Kindergartens.		Register and Number of Classes on Part-Time.	
	Register.	No. of Classes.	Register.	No. of Classes.
156B.....	2,295	49	478	10
156G.....	2,302	48	....	....
165.....	1,942	40	....	....
175.....	2,813	62	620	14
Sub-Total	20,114	435	2,673	56
				District
64.....	3,297	75	....	....
72.....	1,974	43	359	7
149.....	3,133	67	562	12
173.....	2,028	47	....	....
174.....	4,146	87	2,875	60
Sub-Total	14,578	319	3,796	79
Total	34,692	754	6,469	135

Average size of class, 46.0.

Reorganization—Borough of Queens.

The original request now under consideration did not include any provision for the Borough of Queens, it being the intention to consider the needs of that borough in a subsequent report. Owing to the local pressure, an item in the sum of \$99,095 to relieve congestion in P. S. 6 was inserted therein, of which amount \$45,500 is for a six-room addition to the building, \$40,000 for additional land, \$2,250 for alterations and \$11,345 for equipment. The cost of acquiring three additional lots estimated at \$20,000 was, in error, duplicated in the request.

Public School 6, which is located on Steinway Avenue near Broadway, is a building containing thirty-six class rooms, an auditorium, a shop and a kitchen, in which forty-six classes are now housed. Twelve classes are on part time and six on the double session plan. Under the work-study-and-play duplicate school organization, P. S. 6 could easily accommodate fifty-four classes without building an addition if proper playground facilities were provided. The building development in the neighborhood indicates that this increase of eight in class capacity will be needed in the near future. The three lots requested should be acquired and two more in addition. It is recommended that the request for an addition to the building be denied but that funds for five lots, for alterations in the present building and for special equipment, be provided. The additional capacity required for further growth in population in this section of Long Island City, can be provided through the reorganization of Public Schools 4 and 5. Later it will be advisable to build on the site owned at Pierce and Rapelje Avenues.

High School Additions.

In addition to the foregoing provision for the reorganization of elementary schools, the request under consideration includes \$399,187 for an addition to the Newtown High School and \$394,830 for an addition to the Bryant High School, which items were fifth and sixth respectively in order of urgency for the city as a whole in the request for \$6,471,739 that was withdrawn.

The Newtown High School is so congested that some provision for its relief is imperative. The school is housed in a building which was constructed prior to consolidation for a so-called union school. Although occupied exclusively by high school pupils it has never been provided with high school facilities. The school has 1,159 pupils on register in a building which was designed to accommodate 800 pupils. An additional register of 245 pupils is housed in P. S. 89, an elementary school building some one-half mile away. The latter building has now become so crowded that the high school pupils temporarily accommodated therein must be provided for elsewhere without delay. The high school building occupies an entire block (200 feet by 375 feet), the site having been enlarged several years ago for the express purpose of

Total Register and Number of Classes on Double Session Plan.		Number of Rooms Ex- clusive of Kindergartens.		Proposed Number of Classes Under Duplicate School Plan.	Date of Erection of Building.
Register.	No. of Classes.	Regular.	Em.		
804	16 }				
1,483	30 }	68	....	112	1909
611	12	34	....	56	1912
804	16	47	....	72	1914
<hr/> 4,910	<hr/> 98	<hr/> 348	<hr/> 7	<hr/> 532	<hr/>
40.					
383	8	71	....	112	1900—1908
576	12	33	....	48	1887—92—96
359	8	57	....	78	1906
....	....	47	....	72	1913
951	20	47	....	72	1913
<hr/> 2,269	<hr/> 48	<hr/> 255	<hr/>	<hr/> 382	<hr/>
<hr/> 7,179	<hr/> 146	<hr/> 603	<hr/> 7	<hr/> 914	<hr/>

accommodating an addition. The proposed addition will contain an auditorium, a library, two drawing rooms, two laboratories, one cooking room, two sewing and dress-making rooms, one typewriting room, one music room, two study halls, two gymnasiums and two lunch rooms.

The Bryant High School which is located on Wilbur Avenue, Long Island City, near the Plaza of the Queensborough Bridge, occupies a building which has never been completed, the section originally designed to contain an auditorium and a gymnasium never having been constructed. There is no question that the school should be provided with the additional facilities required for high school work. A room in the basement has been converted into a gymnasium but the low ceiling makes ventilation difficult and besides there is an absolute lack of dressing rooms and locker facilities in connection therewith, nor are there shower baths and other customary conveniences. The school has 1,481 on register, of whom 219 are accommodated in P. S. 4 nearby and 182 in P. S. 7 at Astoria. Additional capacity is needed to accommodate the pupils now housed in these two elementary school buildings and, besides, the school is without proper facilities for the several courses which it offers to students, one of which is a course in manual training. It is proposed to construct an addition on the present site to contain an auditorium, two laboratories, two shops, two drawing rooms, one typewriting room, one geography room and two lunch rooms.

Sites.

For the acquisition of eighteen new sites required for the reorganization herein considered, the Board of Education requested \$1,131,000. The \$20,000 estimated to be required for additional land adjoining P. S. 6, Queens, was in error duplicated in the request. The proposition to acquire land adjoining P. S. 149, Brooklyn, had been abandoned, but the item of \$10,000 for the acquisition thereof was inadvertently not eliminated from the estimate. If the buildings to replace P. S. 29 and to relieve P. S. 135, Brooklyn, are to be increased to fifty-one units each, it is desirable that larger sites be acquired. For P. S. 6 in Long Island City it is also recommended that five lots be acquired instead of three. Furthermore, it is also desirable that more land be acquired for P. S. 23, Brooklyn, than was originally proposed. The change in the location of P. S. 20, Brooklyn, will also affect the amount required for the purchase of a site for the new school. The site for the new school at 179th Street and Third Avenue, The Bronx, should also be larger than proposed. Taking all these matters into consideration, the Appraiser of Real Estate, Department of Finance, has estimated that \$1,121,000 should be provided for the acquisition of sites, which sum is herein recommended.

Report of Bureau of Contract Supervision.

The Bureau of Contract Supervision has analyzed and checked the estimates of

cost, which have been found to be reasonable. For the new buildings and additions, these estimates have been based on actual costs of existing buildings of approximately the same capacity and size, plus 25 per cent. because of the advanced prices of materials and labor. The estimates of cost for the alterations have been based on tentative plans and studies for the proposed changes. These plans have not been completed beyond the stage of preliminary sketches. For the equipment to be provided, standard prices for the various rooms have been set up and used throughout the estimates. It is possible that before the final adoption and approval of the plans there may be changes in the numbers and classes of the various rooms to be equipped due to a subsequent rearrangement of the activities to be provided. The amounts estimated will allow of increases in some instances to be offset by decreases in others. Before the execution of any of the contracts it is recommended that the approval of the Board of Estimate and Apportionment be required in order that satisfactory provision be assured for the various activities and proper estimates of cost approved.

Summary of Recommendations.

New Buildings—

New —, 179th Street and 3d Avenue, The Bronx.....	\$543,474 00	
New Public School 20, Brooklyn.....	543,474 00	
New Public School 29, Brooklyn.....	543,474 00	
New Building to relieve Public School 135, Brooklyn.....	543,474 00	
New —, on site owned at Dumont, Pennsylvania and Sheffield Avenues, Brooklyn.....	543,474 00	
		\$2,717,370 00

Additions to Old Buildings—

Public School 83, Manhattan.....	\$166,500 00	
Public School 5, The Bronx.....	3,000 00	
Public School 132, Brooklyn.....	6,500 00	
Public School 66, Brooklyn.....	24,000 00	
Public School 109, Brooklyn.....	80,000 00	
Public School 6, Brooklyn.....	103,690 00	
Newtown High School	399,187 00	
Bryant High School	394,830 00	
		\$1,177,707 00

Alterations and Equipment—

Borough of Manhattan	\$129,266 00	
Borough of The Bronx.....	148,626 00	
Borough of Brooklyn	388,675 00	
Borough of Queens	13,595 00	
		\$ 680,162 00

Sites—All Boroughs	1,121,000 00
Salaries and Wages—All Boroughs.....	194,000 00
Contingencies—All Boroughs	10,000 00

Total..... \$5,900,239 00

In conclusion, we recommend the adoption of the following resolutions authorizing corporate stock in the sum of \$5,900,239 as per the foregoing schedule.

Respectfully,

WM. A. PRENDERGAST, Comptroller; JOHN PURROY MITCHEL, Mayor;
LEWIS H. POUNDS, President, Borough of Brooklyn; Committee on Education.

WM. A. PRENDERGAST, Comptroller; FRANK L. DOWLING, President,
Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; I
concur in recommendations except that I think the fifty per cent. proposed to be paid
from one-year Corporate Stock should be paid from tax notes, DOUGLAS MATH-
EWSOON, President, Borough of The Bronx; Committee on Corporate Stock Budget.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of serial bonds and corporate stock of The City of New York, in the proportions hereinafter specified, to the amount of five hundred and forty-three thousand four hundred and seventy-four dollars (\$543,474), to provide means for the construction and equipment of a new public school building on a site to be acquired in the vicinity of 179th Street and Third Avenue, Borough of The Bronx, under the jurisdiction of the Department of Education, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue, in the manner provided by section 169 of the Greater New York

Charter, serial bonds of The City of New York which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, to an amount not exceeding one-half of the total authorization of five hundred and forty-three thousand four hundred and seventy-four dollars (\$543,474), and to the extent of the remaining one-half of said total authorization, to issue corporate stock of The City of New York maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock, to the amount of the par value thereof, to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule, which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of serial bonds and corporate stock of The City of New York, in the proportions hereinafter specified, to the amount of five hundred and forty-three thousand four hundred and seventy-four dollars (\$543,474), to provide means for the construction and equipment of new Public School 20, on a site to be acquired in the vicinity of Driggs Avenue and North 5th Street, Borough of Brooklyn, under the jurisdiction of the Department of Education, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue, in the manner provided by section 169 of the Greater New York Charter, serial bonds of The City of New York which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, to an amount not exceeding one-half of the total authorization of five hundred and forty-three thousand four hundred and seventy-four dollars, and to the extent of the remaining one-half of said total authorization, to issue corporate stock of The City of New York maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock, to the amount of the par value thereof, to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of serial bonds and corporate stock of The City of New York, in the proportions hereinafter specified, to the amount of five hundred and forty-three thousand four hundred and seventy-four dollars (\$543,474), to provide means for the construction and equipment of new Public School 29, on a site to be acquired in the vicinity of Hicks and Harrison Streets, Borough of Brooklyn, under the jurisdiction of the Department of Education, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue, in the manner provided by section 169 of the Greater New York Charter, serial bonds of The City of New York which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, to an amount not exceeding one-half of the total authorization of five hundred and forty-three thousand four hundred and seventy-four dollars (\$543,474), and to the extent of the remaining one-half of said total authorization, to issue corporate stock of The City of New York maturing in not more than one year from the date of issue, payment of which shall be

provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock, to the amount of the par value thereof, to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of serial bonds and corporate stock of The City of New York, in the proportions hereinafter specified, to the amount of five hundred and forty-three thousand four hundred and seventy-four dollars (\$543,474), to provide means for the construction and equipment of a new building to relieve Public School 135, on a site to be acquired in the vicinity of Snyder Avenue and East 33d Street, Borough of Brooklyn, under the jurisdiction of the Department of Education, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue, in the manner provided by section 169 of the Greater New York Charter, serial bonds of The City of New York which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, to an amount not exceeding one-half of the total authorization of five hundred and forty-three thousand four hundred and seventy-four dollars, (\$543,474), and to the extent of the remaining one-half of said total authorization, to issue corporate stock of The City of New York maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock, to the amount of the par value thereof, to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees such employment is in accordance with schedules approved by said Board.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of serial bonds and corporate stock of The City of New York, in the proportions hereinafter specified, to the amount of five hundred and forty-three thousand four hundred and seventy-four dollars (\$543,474), to provide means for the construction and equipment of a new Public School building on a site owned by the City at Dumont, Pennsylvania and Sheffield avenues, Borough of Brooklyn, under the jurisdiction of the Department of Education, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue, in the manner provided by section 169 of the Greater New York Charter, serial bonds of The City of New York which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, to an amount not exceeding one-half of the total authorization of five hundred and forty-three thousand four hundred and seventy-four dollars (\$543,474), and to the extent of the remaining one-half of said total authorization, to issue corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock, to the amount of the par value thereof, to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be

advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, By the Board of Estimate and Apportionment, that, pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York to an amount not exceeding one hundred and sixty-six thousand five hundred dollars (\$166,500), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value thereof, to provide means for the construction and equipment of an addition to Public School 83, Borough of Manhattan, under the jurisdiction of the Department of Education; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, By the Board of Estimate and Apportionment, that, pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and hereby is authorized to issue, in the manner provided by said section, bonds of The City of New York to an amount not exceeding three thousand dollars (\$3,000), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, proceeds of said serial bonds and corporate stock to the amount of the par value thereof, to provide means for the construction of an addition to Public School 5, Borough of The Bronx, under the jurisdiction of the Department of Education; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, By the Board of Estimate and Apportionment, that pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York to an amount not exceeding two hundred and fourteen thousand one hundred and ninety dollars (\$214,190), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual installments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value

thereof, to provide means for the construction and equipment of additions to Public Schools 6, 66, 109 and 132, Borough of Brooklyn, under the jurisdiction of the Department of Education; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of serial bonds and corporate stock of The City of New York in the proportions hereinafter specified, to the amount of three hundred and ninety-nine thousand one hundred and eighty-seven dollars (\$399,187), to provide means for the construction and equipment of an addition to Newtown High School, Borough of Queens, under the jurisdiction of the Department of Education, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue, in the manner provided by section 169 of the Greater New York Charter, serial bonds of The City of New York which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, to an amount not exceeding one-half of the total authorization of three hundred and ninety-nine thousand one hundred and eighty-seven dollars (\$399,187), and to the extent of the remaining one-half of said total authorization, to issue corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock, to the amount of the par value thereof, to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of serial bonds and corporate stock of The City of New York, in the proportions hereinafter specified, to the amount of three hundred and ninety-four thousand eight hundred and thirty dollars (\$394,830), to provide means for the construction and equipment of an addition to Bryant High School, Borough of Queens, under the jurisdiction of the Department of Education, and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is hereby authorized to issue, in the manner provided by section 169 of the Greater New York Charter, serial bonds of The City of New York which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, to an amount not exceeding one-half of the total authorization of three hundred and ninety-four thousand eight hundred and thirty dollars (\$394,830), and to the extent of the remaining one-half of said total authorization, to issue corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock, to the amount of the par value thereof, to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such

contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher, or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, By the Board of Estimate and Apportionment, that pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York to an amount not exceeding one hundred and twenty-nine thousand two hundred and sixty-six dollars (\$129,266), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value thereof to provide means for the alteration and equipment of Public Schools 72, 83, 101, 109, 168 and 171, Borough of Manhattan, under the jurisdiction of the Department of Education; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, By the Board of Estimate and Apportionment, that pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York to an amount not exceeding one hundred and forty-eight thousand six hundred and twenty-six dollars (\$148,626), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during the period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value thereof, to provide means for the alteration and equipment of Public Schools 2, 4, 5, 6, 28, 30, 32, 40, 42, 43, 44, 45, 50 and 53, Borough of The Bronx, under the jurisdiction of the Department of Education; provided however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, By the Board of Estimate and Apportionment, that pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York to an amount not exceeding three hundred and eighty-eight thousand six hundred and seventy-five dollars (\$388,675), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have

been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value thereof, to provide means for the alterations and equipment of Public Schools 6, 16, 19, 23, 33, 50, 64, 66, 72, 109, 110, 122, 125, 126, 132, 142, 143, 149, 150, 156, 165, 173, 174 and 175, Borough of Brooklyn, under the jurisdiction of the Department of Education; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, By the Board of Estimate and Apportionment, that pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York to an amount not exceeding thirteen thousand five hundred and ninety-five dollars (\$13,595), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value thereof to provide means for the alterations to and equipment of Public School 6, Borough of Queens, under the jurisdiction of the Department of Education; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of the serial bonds and corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Resolved, By the Board of Estimate and Apportionment, that pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York, to an amount not exceeding one hundred and ninety-four thousand dollars (\$194,000), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value thereof, to be applied by the Department of Education to the payment of salaries and wages of the Drafting and Inspection Corps engaged in the preparation of plans, specifications or inspection of construction and improvements payable out of the proceeds of serial bonds or corporate stock; provided, however, that all payments to be made out of the proceeds of serial bonds or corporate stock herein authorized shall be in accordance with schedules approved by the Board of Estimate and Apportionment.

Resolved, By the Board of Estimate and Apportionment, that pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York, to an amount not exceeding ten thousand dollars (\$10,000), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which

such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value thereof, to provide means for defraying the cost of surveys, test borings, and drafting supplies incidental to the construction of new school buildings and additions payable out of the proceeds of serial bonds or corporate stock under the jurisdiction of the Department of Education.

Resolved, By the Board of Estimate and Apportionment, that pursuant to the provisions of section 169 of the Greater New York Charter, the Comptroller be and is hereby authorized to issue, in the manner provided by said section, bonds of The City of New York to an amount not exceeding one million one hundred and twenty-one thousand dollars (\$1,121,000), of which one-half shall be serial bonds of The City of New York, which shall mature and be redeemed in equal annual instalments during a period of fifteen years from the date of issue, and one-half corporate stock of The City of New York, maturing in not more than one year from the date of issue, payment of which shall be provided for in the annual tax budget or budgets next succeeding the dates on which such corporate stock shall have been actually issued, the proceeds of said serial bonds and corporate stock to the amount of the par value thereof, to be used to provide means for the acquisition of school sites as follows:

Borough of Manhattan.

In the vicinity of 109th Street and 3rd Avenue.
In the vicinity of 111th Street and Lexington Avenue.

Borough of The Bronx.

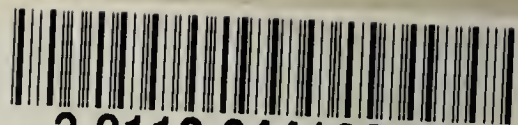
In the vicinity of 3rd Avenue, near 169th Street.
In the vicinity of Prospect Avenue, Jennings Street and Ritter Place.
In the vicinity of Brown Place, 135th and 136th Streets.
In the vicinity of 189th Street, Hoffman Street and Lorillard Place.
In the vicinity of 3rd Avenue and 179th Street.

Borough of Brooklyn.

In the vicinity of South 2nd and Keap Streets.
In the vicinity of Driggs Avenue and North 5th Street.
In the vicinity of Skillman Avenue, Conselyea and Humboldt Streets.
In the vicinity of Berriman Street, Belmont and Atkins Avenues.
In the vicinity of Hicks and Harrison Streets.
In the vicinity of Osborn and Watkins Streets, near Sutter Avenue.
In the vicinity of Monitor Street and Driggs Avenue.
In the vicinity of Snyder Avenue and East 33rd Street.
In the vicinity of Sutter Avenue, Barrett and Grafton Streets.

Borough of Queens.

In the vicinity of Steinway Avenue, near Broadway.



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